

FIG. 1

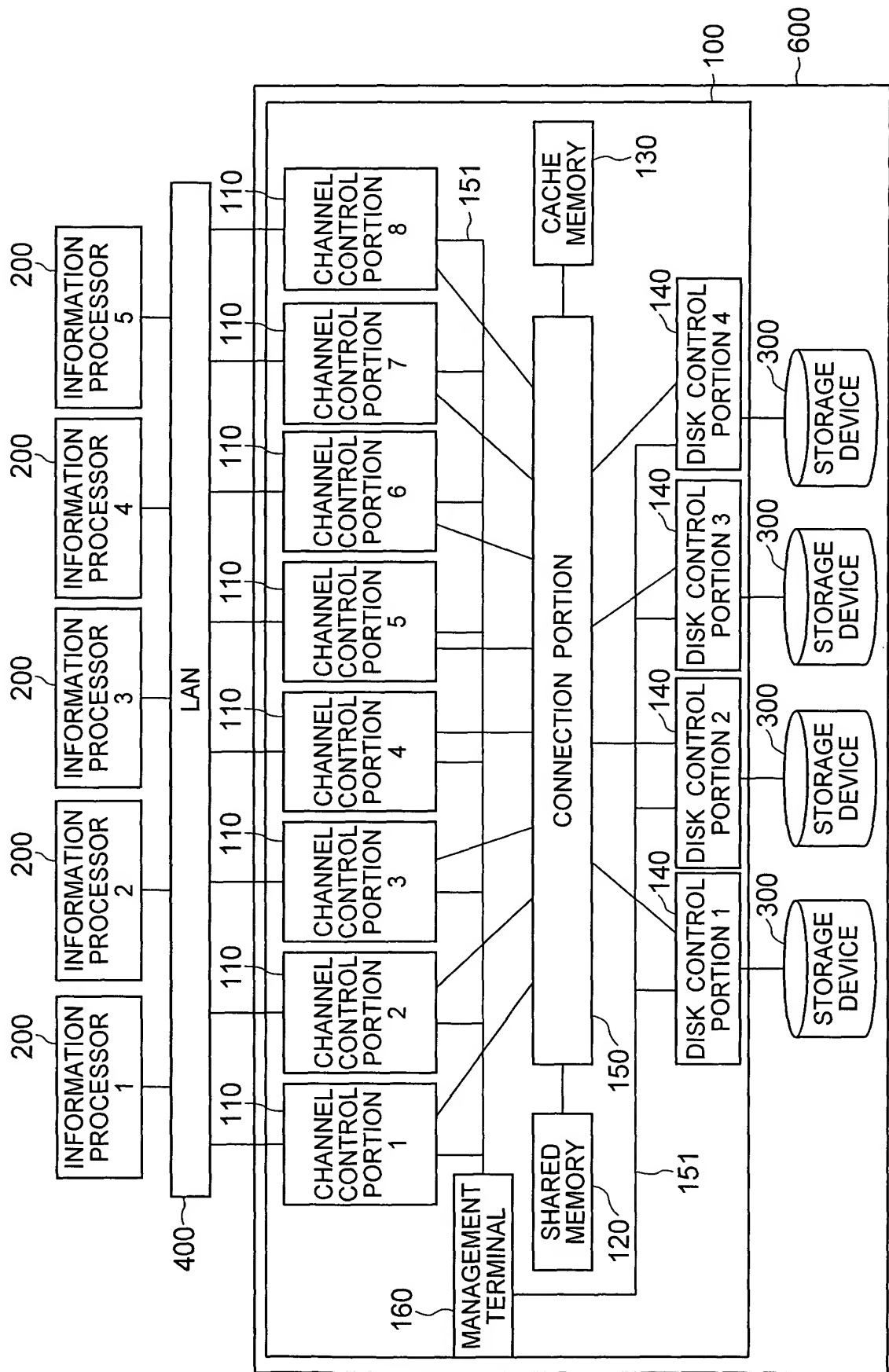


FIG. 2

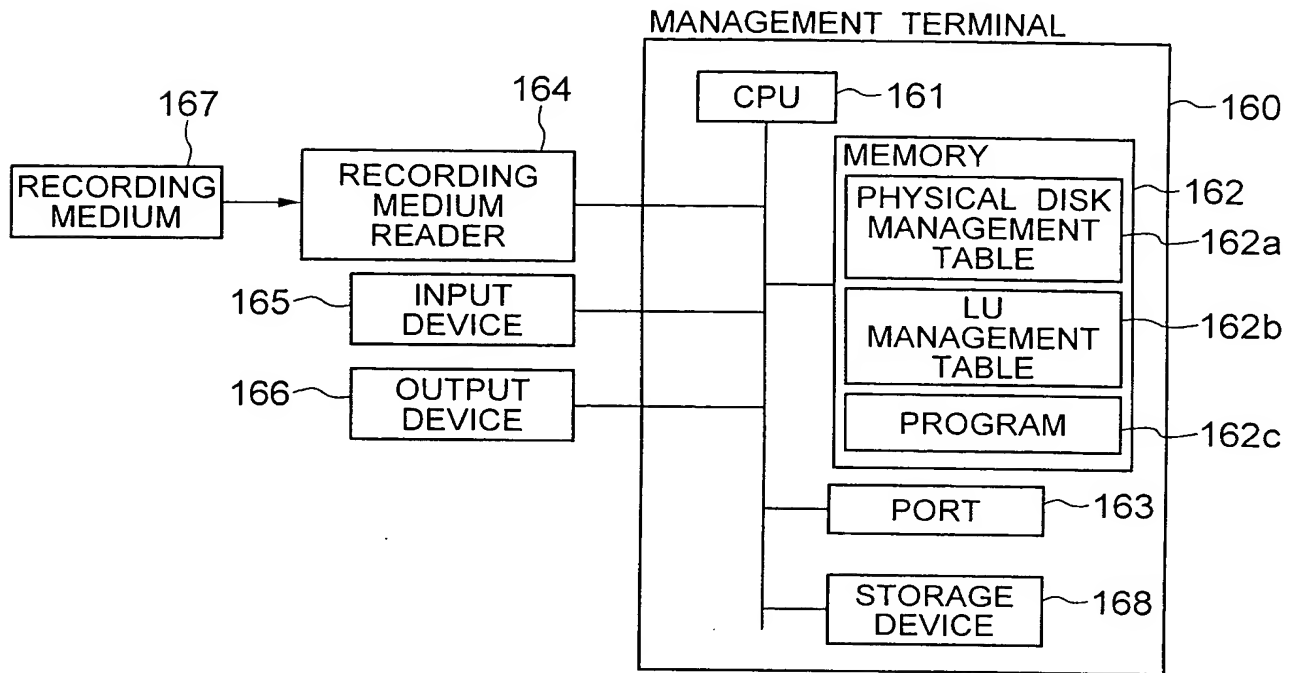


FIG. 3

162a →

DISK NUMBER	CAPACITY	RAID	STATUS OF USE
#001	100GB	5	IN USE
#002	100GB	5	IN USE
#003	100GB	5	IN USE
#004	100GB	5	IN USE
#005	100GB	5	IN USE
#006	50GB	—	UNUSED
⋮	⋮	⋮	⋮

FIG. 4

162b →

LU NUMBER	PHYSICAL DISK	CAPACITY	RAID
#1	#001,#002,#003,#004,#005	100GB	5
#2	#001,#002,#003,#004,#005	300GB	5
#3	#006,#007,	200GB	1
⋮	⋮	⋮	⋮

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FIG. 5

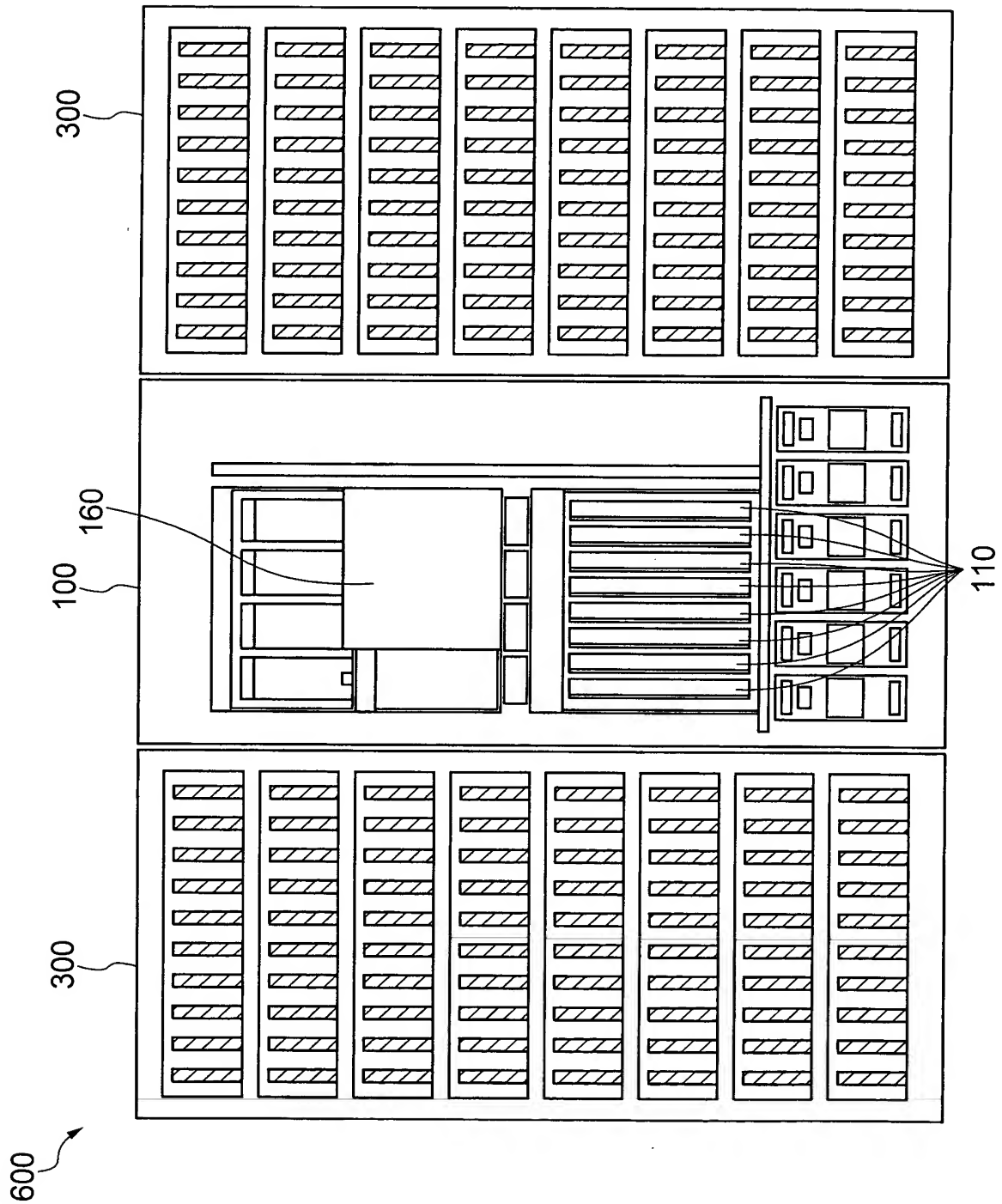


FIG. 6

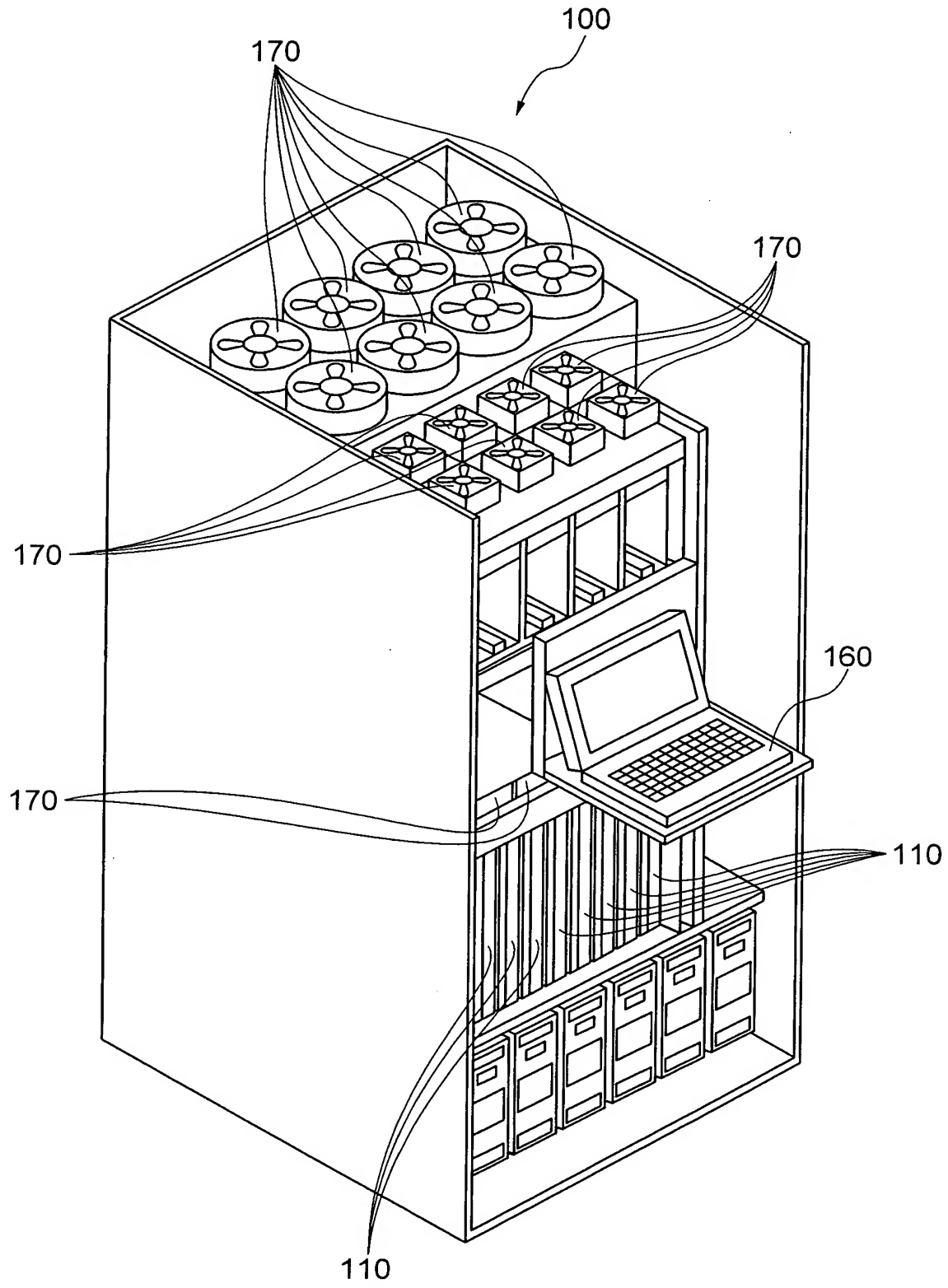


FIG. 7

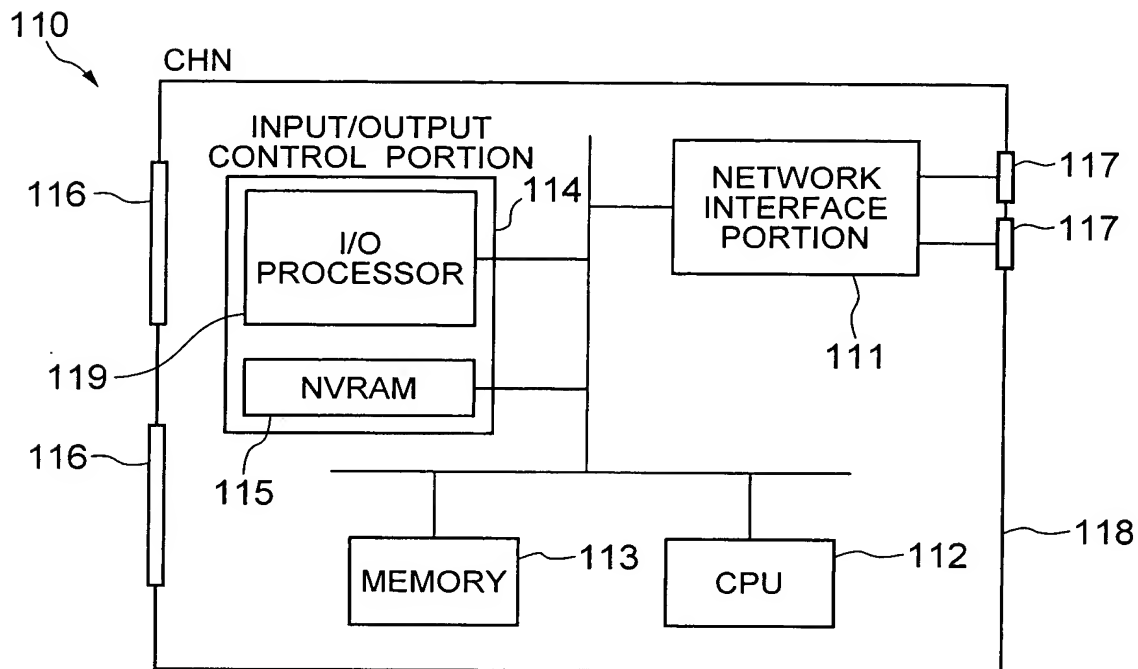
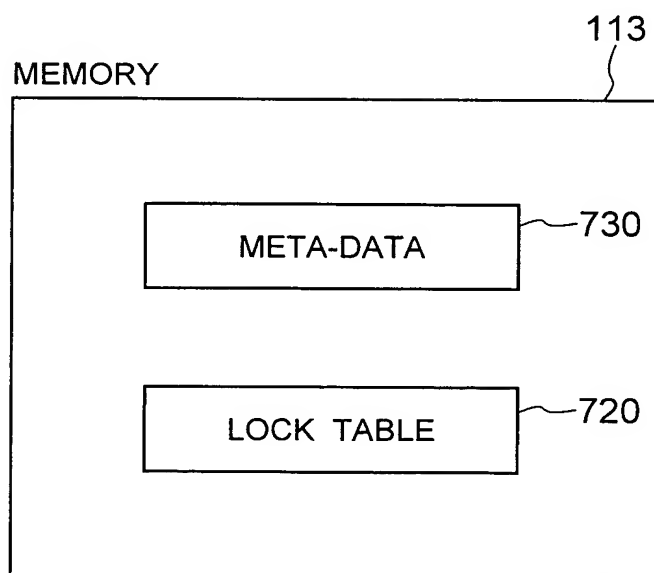


FIG. 8



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FIG. 9

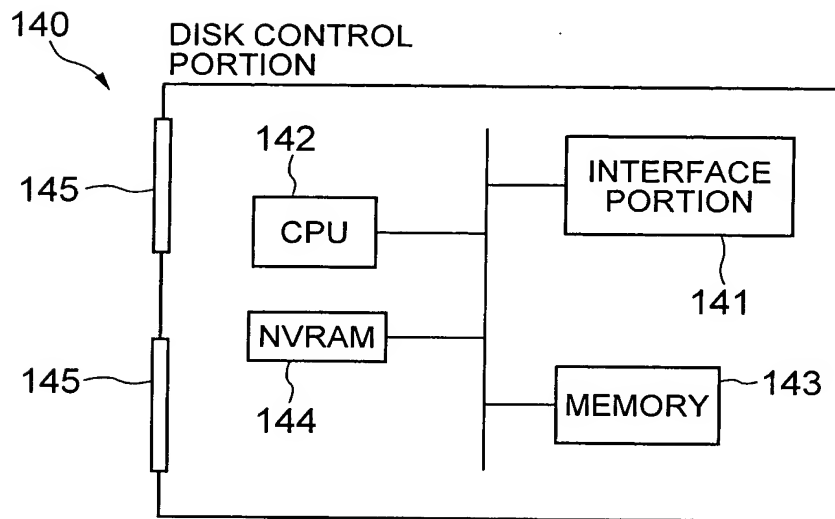
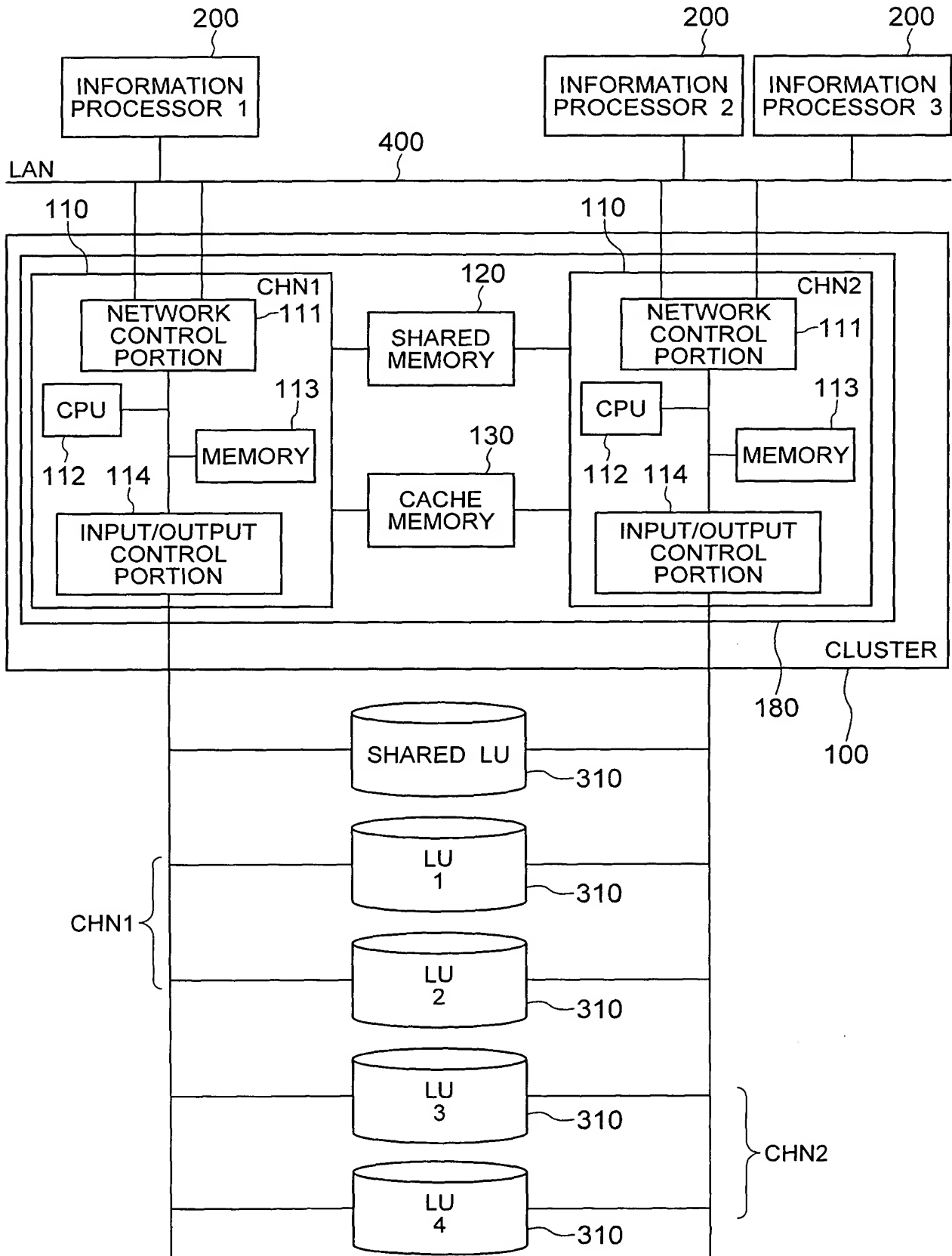




FIG. 11





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FIG. 12

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META-DATA

FILENAME	TOP ADDRESS	CAPACITY	OWNER	UPDATE TIME
A	7BSA	200MB	X	0 : 00
B	05BF	50MB	X	7 : 57
C	1F30	100MB	Y	9 : 15
D	470B	100MB	Z	15 : 20
⋮	⋮	⋮	⋮	⋮

FIG. 13

721

FILE LOCK TABLE

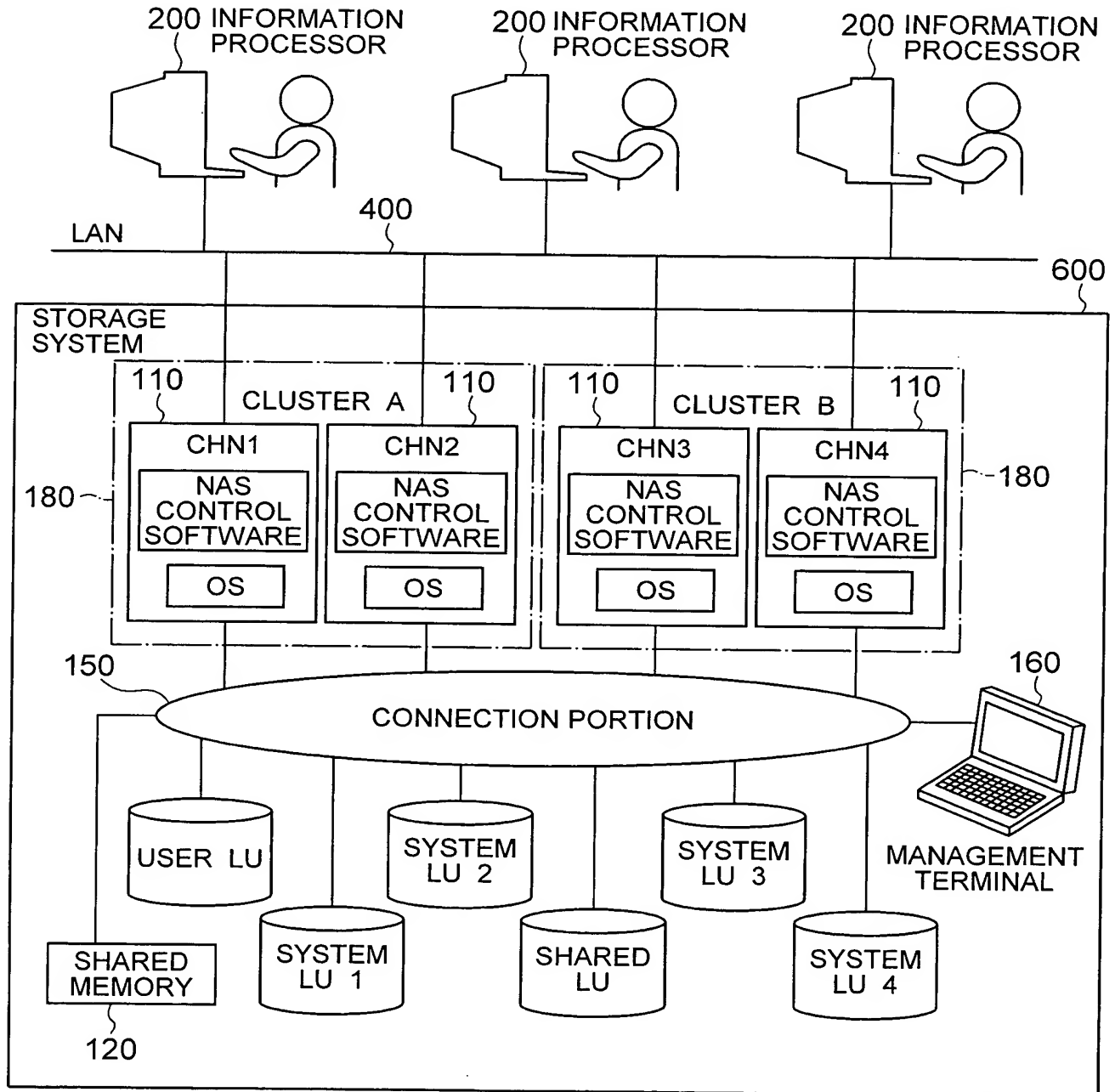
FILENAME	STATUS OF LOCK
A	LOCKED
B	—
C	—
D	LOCKED
⋮	⋮

722

LU LOCK TABLE

LU	STATUS OF LOCK
SHARED	—
1	LOCKED
2	—
⋮	⋮

FIG. 14



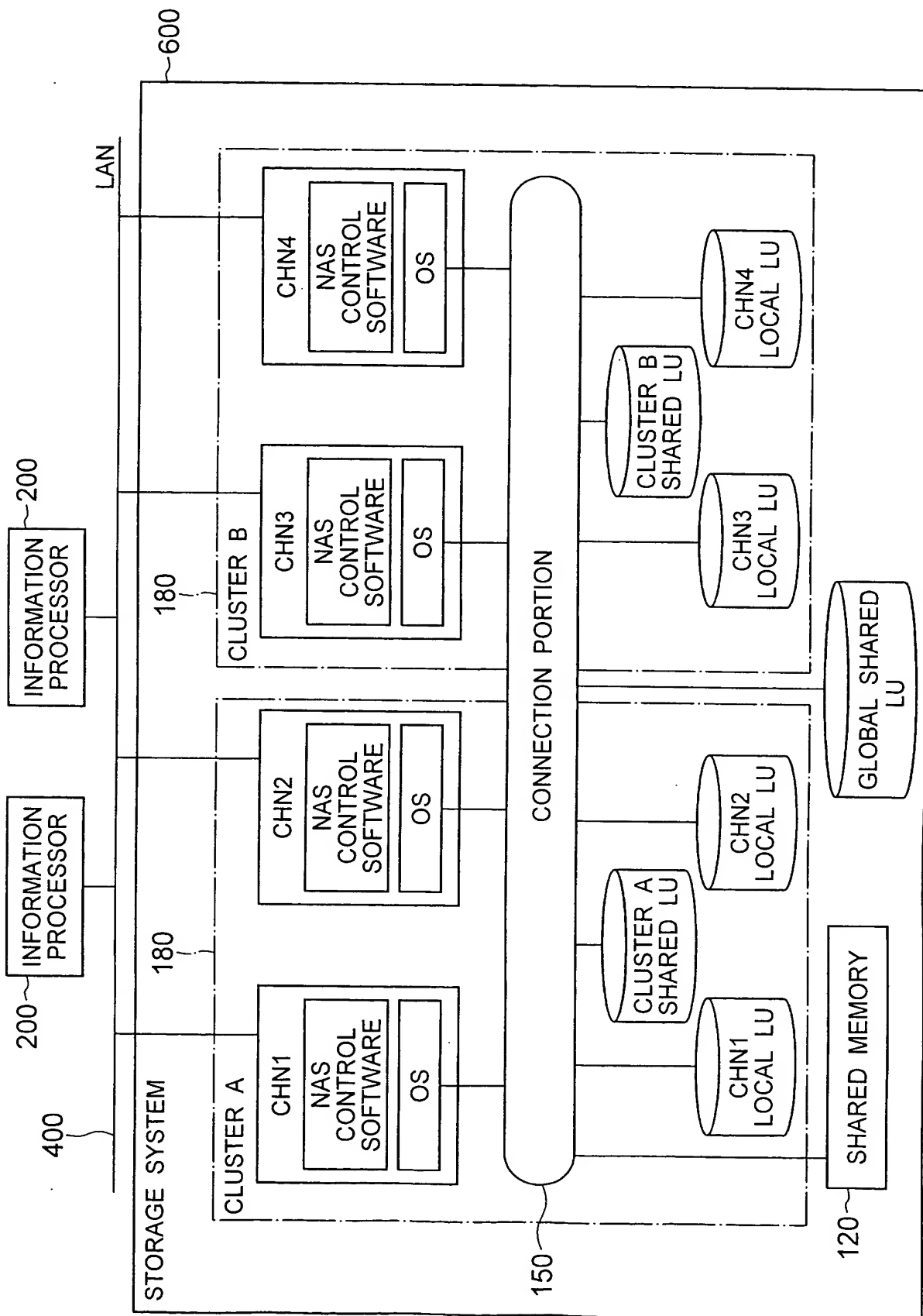
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FIG. 15



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FIG. 16

CONTROL INFORMATION	DATA SYNC TYPE	SYNCHRONIZING METHOD	SYNCHRONOUS DATA	REFLECTION IN LOCAL LU
NFS USER DATA	SYNCHRONIZATION IN CLUSTER	NETWORK	/etc/passwd	—
CIFS USER DATA	SYNCHRONIZATION IN CLUSTER	SHARED LU	/etc/smbpasswd	NO
SYSTEM ADMINISTRATOR DATA	SYNCHRONIZATION IN STORAGE SYSTEM	—	—	NO
FAIL-OVER HEART BEAT	SYNCHRONIZATION IN CLUSTER	SHARED MEMORY	HEALTH CHECK (NORMAL CONFIRMATION RESPONSE)	NO
IP ADDRESS OF CHN	PECULIAR TO SYSTEM	—	/etc/network/interfaces	—
NAS FILE LOCK INFORMATION	SYNCHRONIZATION IN CLUSTER	SHARED LU	HOST NAME	NO
CLUSTER CONTROL INFORMATION	SYNCHRONIZATION IN CLUSTER	SHARED LU	CLUSTER DATABASE	YES

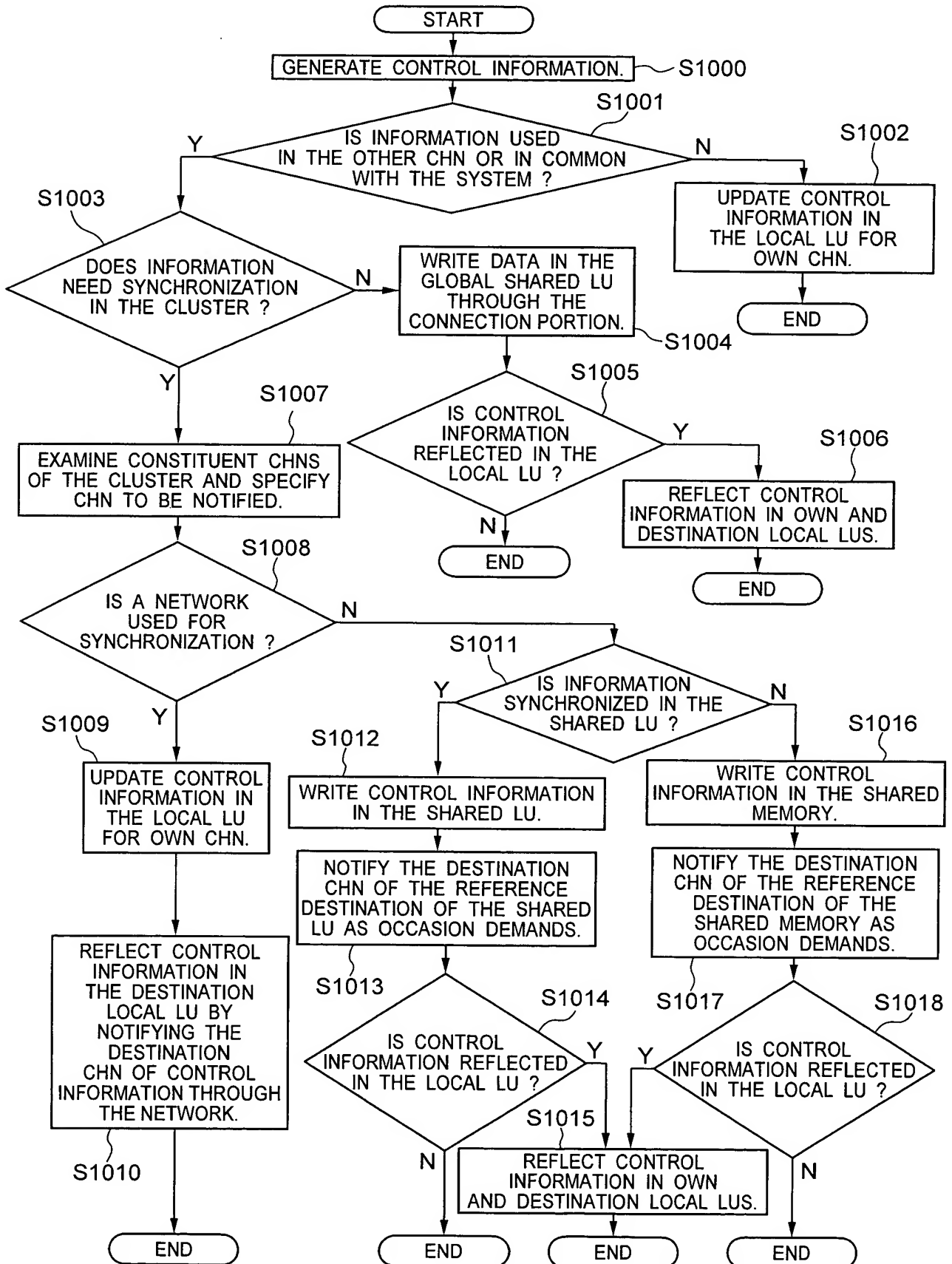
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FIG. 17



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## FIG. 18

CONTROL INFORMATION	STORAGE DESTINATION OF DATA	NOTICE OF DATA
NFS USER DATA	LOCAL LU	—
CIFS USER DATA	SHARED LU	YES
SYSTEM ADMINISTRATOR DATA	GLOBAL SHARED LU	NO
FAIL-OVER HEART BEAT	SHARED MEMORY	NO
NFS FILE LOCK INFORMATION	SHARED LU	NO
CLUSTER CONTROL INFORMATION	LOCAL LU	NO

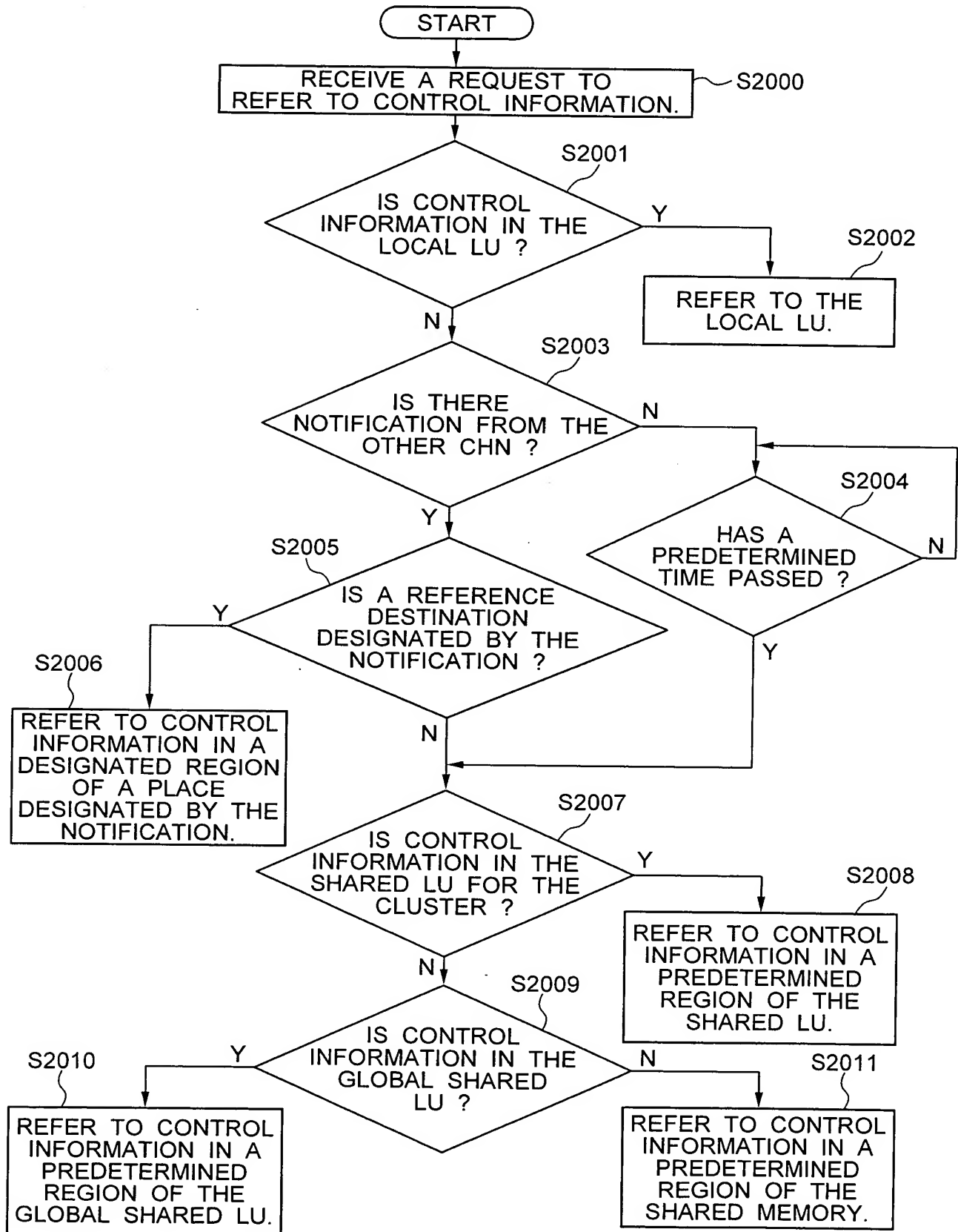
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FIG. 19



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## FIG. 20

